

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/004721

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/63

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KREISS P ET AL: "PRODUCTION OF A NEW DNA VEHICLE FOR GENE TRANSFER USING SITE-SPECIFIC RECOMBINATION" APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, SPRINGER VERLAG, BERLIN, DE, vol. 49, no. 5, May 1998 (1998-05), pages 560-567, XP001005222 ISSN: 0175-7598 cited in the application the whole document ----- -/--	1,3,4, 9-12,14, 15,25,27

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

12 August 2004

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25/08/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BIGGER B W ET AL: "AN ARAC-CONTROLLED BACTERIAL CRE EXPRESSION SYSTEM TO PRODUCE DNA MICROCIRCLE VECTORS FOR NUCLEAR AND MITOCHONDRIAL GENE THERAPY" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 276, no. 25, 22 June 2001 (2001-06-22), pages 23018-23027, XP001121110 ISSN: 0021-9258 cited in the application</p>	
A	<p>LUBITZ W ET AL: "Extended recombinant bacterial ghost system" JOURNAL OF BIOTECHNOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 73, no. 2-3, 20 August 1999 (1999-08-20), pages 261-273, XP004180188 ISSN: 0168-1656</p>	
A	<p>SZOSTAK M P ET AL: "Bacterial ghosts: non-living candidate vaccines" JOURNAL OF BIOTECHNOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 44, no. 1, 26 January 1996 (1996-01-26), pages 161-170, XP004036862 ISSN: 0168-1656</p>	
P,X	<p>CHEN ZHI-YING ET AL: "Minicircle DNA vectors devoid of bacterial DNA result in persistent and high-level transgene expression in vivo." MOLECULAR THERAPY : THE JOURNAL OF THE AMERICAN SOCIETY OF GENE THERAPY. SEP 2003, vol. 8, no. 3, September 2003 (2003-09), pages 495-500, XP002292220 ISSN: 1525-0016 the whole document</p>	<p>1-4, 11-15, 25-27</p>